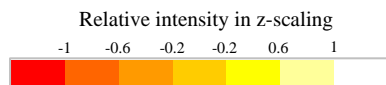


Specific to:	OTU name	TSBA	TSCO	TSNI	TSNS	TSSU	Similarity Index	RDP Classifier Results	Phylum
	template pattern	1	0	0	0	0	-	-	-
	TSBAR001_A18	2	0	0	0	0	<0.01	unclassified Clostridiaceae	Firmicutes
	TSBAR001_B04	2	0	0	0	0	<0.01	<i>Bradyrhizobium</i>	Proteobacteria
	TSBAR001_J01	3	0	0	0	0	<0.01	unclassified Veillonellaceae	Firmicutes
	TSBAR001_J06	2	0	0	0	0	<0.01	unclassified Clostridiales	Firmicutes
	TSBAR001_J16	2	0	0	0	0	<0.01	unclassified Clostridiales	Firmicutes
	TSBAR001_O19	2	0	0	0	0	<0.01	unclassified Burkholderiales	Proteobacteria
TSBA	TSBAR002_E14	3	0	0	0	0	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSBAR002_H24	2	0	0	0	0	<0.01	<i>Massilia</i>	Proteobacteria
	TSBAR002_K07	2	0	0	0	0	<0.01	<i>Bacillus</i>	Firmicutes
	TSBAR002_M06	2	0	0	0	0	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSBAR003_G07	2	0	0	0	0	<0.01	<i>Clostridium</i>	Firmicutes
	TSBAR002_D13	2	1	1	1	1	<0.01	<i>Clostridium</i>	Firmicutes
	TSBAR002_A18	11	1	1	0	3	0.030	<i>Symbiobacterium</i>	Firmicutes
	TSBAR001_L20	4	1	0	0	0	0.032	unclassified Ruminococcaceae	Firmicutes
	TSBAR001_N16	6	1	1	0	2	0.047	<i>Massilia</i>	Proteobacteria
	TSBAR001_A03	76	31	25	27	42	0.050	<i>Symbiobacterium</i>	Firmicutes
	template pattern	0	1	0	0	0	-	-	-
TSCO	TSCOR001_I17	0	2	0	0	0	<0.01	unclassified Veillonellaceae	Firmicutes
	TSCOR002_G16	0	2	0	0	0	<0.01	unclassified Acidobacteriaceae	Acidobacteria
	TSCOR003_C15	0	3	0	0	0	<0.01	unclassified Betaproteobacteri	Proteobacteria
	TSCOR002_O10	0	5	1	1	0	0.030	<i>Clostridium</i>	Firmicutes
	TSCOR001_O12	11	24	6	8	8	0.031	<i>Bacillus</i>	Firmicutes
	template pattern	0	0	1	0	0	-	-	-
	TSNIR002_B15	0	0	3	0	0	<0.01	<i>Massilia</i>	Proteobacteria
	TSNIR001_E03	0	0	3	0	0	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSNIR002_N16	0	0	2	0	0	<0.01	unclassified Clostridiales	Firmicutes
TSNI	TSNIR002_G05	0	0	2	0	0	<0.01	unclassified Verrucomicrobiale	Verrucomicrobia
	TSNIR001_G16	0	0	2	0	0	<0.01	<i>Clostridium</i>	Firmicutes
	TSNIR002_P22	0	0	2	0	0	<0.01	<i>Acidovorax</i>	Firmicutes
	TSNIR001_H10	0	0	2	0	0	<0.01	unclassified Caldilineaceae	Chloroflexi
	TSNIR002_B10	0	1	5	0	1	0.030	<i>Pelomonas</i>	Proteobacteria
	TSNIR002_L21	1	0	3	0	0	0.057	<i>Symbiobacterium</i>	Firmicutes
	template pattern	0	0	0	1	0	-	-	-
	TSNSR001_L04	0	0	0	2	0	<0.01	unclassified Burkholderiales	Proteobacteria
	TSNSR001_C09	0	0	0	9	0	<0.01	unclassified Burkholderiales	Proteobacteria
	TSNSR001_P17	5	7	8	52	2	0.006	<i>Herbaspirillum</i>	Proteobacteria
	TSNSR003_E24	0	0	1	8	0	0.008	<i>Herbaspirillum</i>	Proteobacteria
	TSNSR003_P13	0	2	1	11	0	0.016	unclassified Rhodocyclaceae	Proteobacteria
TSNS	TSNSR003_J16	0	1	0	5	1	0.030	unclassified Burkholderiales	Proteobacteria
	TSNSR001_A05	1	1	2	6	2	0.030	<i>Symbiobacterium</i>	Firmicutes
	TSNSR001_G10	4	5	2	14	5	0.036	<i>Geobacter</i>	Proteobacteria
	TSNSR001_M13	4	4	3	8	5	0.070	<i>Bacillus</i>	Firmicutes
	TSNSR002_F11	2	4	2	7	2	0.081	<i>Symbiobacterium</i>	Firmicutes
	TSNSR002_K11	0	0	7	17	2	0.083	<i>Herbaspirillum</i>	Proteobacteria
	TSNSR003_P21	1	1	0	3	0	0.087	<i>Massilia</i>	Proteobacteria
	TSNSR001_G18	3	5	4	14	8	0.093	<i>Symbiobacterium</i>	Firmicutes
	template pattern	0	0	0	0	1	-	-	-
	TSSUR001_I02	0	0	0	0	4	<0.01	unclassified Oxalobacteraceae	Proteobacteria
	TSSUR002_A13	0	0	0	0	4	<0.01	unclassified Acidobacteriaceae	Acidobacteria
TSSU	TSSUR001_E17	0	0	0	0	4	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSSUR001_C10	0	0	0	0	2	<0.01	<i>Roseateles</i>	Proteobacteria
	TSSUR001_I24	0	0	0	0	2	<0.01	unclassified Betaproteobacteri	Proteobacteria
	TSSUR001_O23	0	0	0	0	2	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSSUR001_P23	0	0	0	0	2	<0.01	<i>Symbiobacterium</i>	Firmicutes
	TSSUR001_J06	1	1	0	3	7	0.079	<i>Geobacter</i>	Proteobacteria



Supplementary Figure S2. Clone distributions among five libraries for each sample-specific OTU_{0.03}. OTU_{0.03}s with a similarity index of <0.10 to the template pattern were defined as specifically enriched OTU_{0.03}s. Taxonomic assignment of the 16S rRNA gene sequences was conducted using Naïve Bayesian rRNA Classifier version 2.0. Legend: TSBA, before-incubation control; TSCO, soil sample incubated without substrates; TSNI, soil sample incubated with nitrate addition; TSNS, soil sample incubated with nitrate and succinate additions; and TSSU, soil sample incubated with succinate addition.